

Table 9A. Income and Cash Operating Cost Summary, Corn, 1996

COUNTY: Cochise	FARM: Cochise County Farm	WATER SOURCE: Ks NG	TILLAGE: Conventional
CROP: Corn Grain	ACRES: 1.0	IRRIGATION SYSTEM: Flood Furrow	SOIL: Sandy-Loam
AREA: Kansas Settlement	YIELD: 9,800.0 Lb/Acre	PREVIOUS CROP: Corn Grain	DATE: 10/08/96

Item	Unit	Quantity	Price /Unit	Budgeted /Acre	Total /Acre	Your Farm Budget
INCOME -> Grain	Pound	9,800.00	\$0.0557	\$545.86	\$545.86	_____
CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax)						
Paid Labor (including benefits)					44.45	_____
Tractor/Self Propelled				19.68		_____
Irrigation				22.85		_____
Other/Contract				1.93		_____
Chemicals & Custom Applications					153.35	_____
Fertilizers				89.48		_____
Insecticides				45.44		_____
Herbicides				18.43		_____
Farm Machinery and Vehicles					24.98	_____
Diesel Fuel				10.30		_____
Repairs & Maint.				14.68		_____
Irrigation (excluding labor)					171.98	_____
Natural Gas/Pumping				147.46		_____
Repairs & Maint.				24.51		_____
Other Purchased Inputs & Services					29.61	_____
Seed/Transplants				29.61		_____
TOTAL CASH LAND PREPARATION AND GROWING EXPENSES					424.38	_____
CASH HARVEST AND POST HARVEST EXPENSES						
Paid Labor (including benefits)					4.42	_____
Tractor/Self Propelled				4.42		_____
Farm Machinery and Vehicles					4.51	_____
Diesel Fuel				2.10		_____
Repairs & Maint.				2.41		_____
Custom Harvest/Post Harvest					115.50	_____
TOTAL HARVEST AND POST HARVEST EXPENSE					124.43	_____
OPERATING OVERHEAD->PICKUP USE					13.22	_____
OPERATING INTEREST AT 8.0%					7.10	_____
TOTAL CASH OPERATING EXPENSES					\$569.12	=====
RETURNS OVER CASH OPERATING EXPENSES					(\$23.26)	=====

Notes: The above figures do not include ownership costs, see Table 9B on Next Page for detailed cost allocation.

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 AREA: Kansas Settlement YIELD: 9,800.0 Lb/Acre PREVIOUS CROP: Corn Grain DATE: 10/08/96

No.	First Month	Operation	Hours * —		Operating Costs (\$/Acre*)					Tot. Cash Expense	Class	
			Machine	Labor	Fuel/Rps.	Labor	Cust/Ser.	Materials	Total			Times
1	Jan	Plow	0.360	0.400	4.65	3.36			8.01	1.0	8.01	L
2	Jan	Disk	0.129	0.143	1.80	1.20			3.00	2.0	6.01	L
3	Feb	Landplane	0.225	0.250	2.51	2.10			4.61	1.0	4.61	L
4	Mar	Apply Herb. & Incorporate	0.129	0.143	1.79	1.20		18.43	21.42	1.0	21.42	G
5	Mar	Apply Fert/Ground	0.075	0.083	0.61	0.70		33.08	34.39	1.0	34.39	G
6	Mar	List	0.180	0.200	2.08	1.68			3.76	1.0	3.76	L
7	Mar	Buck Rows	0.022	0.050	0.17	0.39			0.56	3.0	1.68	G
8	Apr	Preirrigate		0.704	35.83	4.93			40.76	1.0	40.76	G
9	Apr	Disk Ends	0.022	0.025	0.26	0.21			0.47	1.0	0.47	G
10	Apr	Mulch	0.150	0.167	1.14	1.40			2.54	1.0	2.54	L
11	Apr	Plant	0.180	0.400	2.54	3.08		39.56	45.18	1.0	45.18	L
12	Apr	Remove Cap	0.090	0.100	0.69	0.84			1.53	1.0	1.53	G
13	Apr	Apply Fert/Ground	0.129	0.143	1.64	1.20		32.60	35.44	1.0	35.44	G
14	Jun	Irrigate		0.333	17.91	2.33			20.24	6.0	121.44	G
15	Jun	Cultivate	0.125	0.125	1.15	1.05			2.20	1.0	2.20	G
16	Jul	Irrigate/Run Fertilizer		0.279	14.33	1.96		11.90	28.19	2.0	56.38	G
17	Jul	Apply Insecticide/Air					6.00	11.74	17.74	2.0	35.48	G
18	Aug	Prepare Ends	0.022	0.025	0.26	0.21			0.47	1.0	0.47	H
19	Sep	Combine Harvest					42.00		42.00	1.0	42.00	H
20	Sep	Field Transport	0.450	0.500	4.25	4.20			8.45	1.0	8.45	H
21	Sep	Haul, Custom 98.0 CW					24.50		24.50	1.0	24.50	H
22	Sep	Elevator Handlin 98.0 CW					24.50		24.50	1.0	24.50	M
23	Sep	Drying 98.0 CW					24.50		24.50	1.0	24.50	P
24	Oct	Disk Residue	0.129	0.143	1.80	1.20			3.00	1.0	3.00	L
		Pickup Use 50 Mi/Ac	1.670		13.21						13.21	O
		Operating Interest at 8.00%					9.65				9.65	O
TOTAL CASH OPERATING EXPENSES:					\$214.66	\$48.83	\$137.15	\$170.95			\$571.59	T

* NOTES: Machine and labor hours and operating cost are for one time over the designated acreage. The 'Tot. Cash Expense' column and the 'TOTAL CASH OPERATING EXPENSES:' row include all operations, all times over. Classes are defined below.

OPERATING COST SUMMARY BY CLASS		SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre)							
		Prices ->		-25%	-10%	Budgeted	+10%	+25%	
Land Preparation (L)	\$73.11								
Growing (G)	351.18								
Harvest (H)	75.42	Yields		\$0.04	\$0.05	\$0.05	\$0.06	\$0.06	Break-even
Post Harvest (P)	24.50								
Marketing (M)	24.50	-25%	7,350.0	-233.44	-172.03	-131.09	-90.15	-28.74	0.07
Operating Overhead (O)	22.86	-10%	8,820.0	-190.69	-117.00	-67.87	-18.75	54.94	0.06
		Budgeted	9,800.0	-162.19	-80.31	-25.73	28.85	110.73	0.05
Total (T)	\$571.59	+10%	10,780.0	-133.70	-43.63	16.40	76.45	166.52	0.05
		+25%	12,250.0	-90.95	11.39	79.62	147.85	250.20	0.04
		Break-even Yield	15,377.91	11,945.65	10,398.41	9,206.01	7,854.91		

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 AREA: Kansas Settlement YIELD: 9,800.0 Lb/Acre PREVIOUS CROP: Corn Grain DATE: 10/08/96

Month *	Number Irrig.	Water Applied (Inches)	Total Labor (Hrs)	Operating Cost (\$/Acre)						Total
				Purchased Water	Fuel, Oil & Repairs	Labor	Chemicals	Other Purchases	Services	
JAN C			0.54		6.46	4.57				11.02
FEB C			0.39		4.31	3.31				7.62
MAR C			0.47		4.65	3.97	51.51			60.12
APR C	0.7	7.0	0.79		27.13	5.86	12.77	8.88		54.65
MAY C	0.3	3.0	0.79		15.14	6.20	29.79	20.73		71.86
JUN C	2.0	10.0	0.79		36.97	5.72				42.68
JUL C	3.0	14.0	0.94		50.15	6.62	35.38		12.00	104.15
AUG C	2.0	9.0	0.68		32.67	4.88	11.90			49.46
SEP C	1.0	5.0	0.38		18.34	2.75			7.75	28.84
OCT C			0.49		4.37	4.15			83.25	91.76
NOV C			0.10		1.26	0.84				2.11
Pickup Use 50 Mi/Ac					13.21					13.21
Operating Interest at 8.0%									9.66	9.66
Total	9.0	48.0	6.40		214.66	48.87	141.35	29.61	112.66	547.15
%					39.23	8.93	25.83	5.41	20.59	100.00

TOTAL RESOURCES REQUIREMENTS (/Acre)			TOTAL ENERGY REQUIREMENTS (/Acre)		
Total N	240.4 lbs		Diesel Fuel	13.7	Gal
Total P	104.0 lbs		Regular Gas	0.0	Gal
Total K	0.0 lbs		NonLead Gas	5.0	Gal
Total Labor	6.4 Hrs				
Total Water	48.0 AI		Natural Gas/Pumping	388.1	Therms
			All Direct Energy	41.3	M BTU

EQUIPMENT REQUIREMENTS (/Acre)					
Tractor, 100 PTO HP, MFWD	1.80 Hrs	Moldboard Plow, 4-16 2 Way	0.36 Hrs	Tractor, 125 PTO HP, MFWD	0.79 Hrs
Offset Disk, 16.5'	0.43 Hrs	Landplane 12' X 45'	0.23 Hrs	Dbl. Offset Disk, 16'	0.13 Hrs
Saddle Tk Sprayer, 2 Tk 8 Row	0.13 Hrs	Fertilizer Broadcaster, Towed	0.08 Hrs	Lister, 5 Bottom	0.18 Hrs
Rowbuck, 10'	0.07 Hrs	Section Harrow, 3 Section	0.24 Hrs	Planter, 6 Row	0.18 Hrs
Fertilizer Injector, 6 Row	0.13 Hrs	Rolling Cultivator, 6 Rw	0.13 Hrs	Grain Cart, 400 BU	0.45 Hrs
Pickup Truck, 1/2 Ton	1.67 Hrs				

MATERIALS REQUIREMENTS (/Acre)					
Butylate	5.00 Pt	Cyanazine	1.00 Qt	11-52-00, Dry	200.00 Lb
Water, Pump	48.00 AI	Field Corn Sd	30.00 Th	Phorate	6.00 Lb
82-00-00, Anhyd. Ammonia	180.00 Lb	32-00-00, URAN 32, Lqd	20.00 Ga	Chlorpyrifos	4.00 Pt

LABOR REQUIREMENTS (/Acre)					
Tractor	2.87 Hrs	Other	0.28 Hrs	Irrigators	3.26 Hrs

* NOTE: P = Previous Year C = Current Year N = Next Year

Table 9E Schedule of Operations; Corn, 1996

COUNTY: Cochise FARM: Cochise County Farm WATER SOURCE: Ks NG TILLAGE: Conventional
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 AREA: Kansas Settlement YIELD: 9,800.0 Lb/Acre PREVIOUS CROP: Corn Grain DATE: 10/08/96

First No.	Month	Times	Operation	Equipment/Custom HP	Oper. Self-Prop./Implem.	Job Rate Acres/Hr	Material Name	Use & Cost Appl. Rate	Service Cost \$/Unit	Labor \$/Unit	Labor Type
1	Jan	1.0	Plow	100	Moldboard Plow, 4-16 2	2.50					Tractor
2	Jan	2.0	Disk	125	Offset Disk, 16.5'	7.00					Tractor
3	Feb	1.0	Landplane	125	Landplane 12'X 45'	4.00					Tractor
4	Mar	1.0	Apply Herb. & Inropol	100	Dbl. Offset Disk, 16' Saddle Tk Sprayer, 2 Tk	7.00	Butylate 5.00 Pt Cyanazine 1.00 Qt	17.98 Ga 25.26 Ga			Tractor
5	Mar	1.0	Apply Fert/Ground	100	Fertilizer Broadcaster,	12.00	11-52-00, Dry	200.00 Lb	315.00 Tn		Tractor
6	Mar	1.0	List	125	Lister, 5 Bottom	5.00					Tractor
7	Mar	3.0	Buck Rows	100	Rowbuck, 10'	40.00					Tractor
8	Apr	1.0	Preirrigate			1.42	Water, Pump	10.00 AI	42.99 AF		Other Irrigator
9	Apr	1.0	Disk Ends	100	Offset Disk, 16.5'	40.00					Tractor
10	Apr	1.0	Mulch	100	Section Harrow, 3 Secti	6.00					Tractor
11	Apr	1.0	Plant	100	Planter, 6 Row	5.00	Field Corn Sd Phorate	30.00 Th 6.00 Lb	0.94 Th 1.58 Lb		Tractor Other
12	Apr	1.0	Remove Cap	100	Section Harrow, 3 Secti	10.00					Tractor
13	Apr	1.0	Apply Fert/Ground	100	Fertilizer Injector, 6	7.00	82-00-00, Anhyd. A	180.00 Lb	345.00 Tn		Tractor
14	Jun	6.0	Irrigate			3.00	Water, Pump	5.00 AI	42.99 AF		Irrigator
15	Jun	1.0	Cultivate	100	Rolling Cultivator, 6 R	8.00					Tractor
16	Jul	2.0	Irrigate/Run Fertiliz			3.58	Water, Pump 32-00-00, URAN 32, Chlorpyrifos	4.00 AI 10.00 Ga 2.00 Pt	42.99 AF 205.00 Tn 44.73 Ga		Irrigator
17	Jul	2.0	Apply Insecticide/Air		CST Air Spray, 3 Gal Mi					6.00 Ac	
18	Aug	1.0	Prepare Ends	100	Offset Disk, 16.5'	40.00					Tractor
19	Sep	1.0	Combine Harvest		CST Combine Corn					17.50 Ac	
20	Sep	1.0	Field Transport	100	Grain Cart, 400 BU	2.00					Tractor
21	Sep	1.0	Haul, Custom		CST Haul Grain					0.25 CW	
22	Sep	1.0	Elevator Handling		CST Elevator Handling					0.25 CW	
23	Sep	1.0	Drying		CST Dry Corn					0.25 CW	
24	Oct	1.0	Disk Residue	125	Offset Disk, 16.5'	7.00					Tractor
			Pickup Use 50 Mi/Ac		Pickup Truck, 1/2 Ton	0.60					

* NOTE: Machine times, labor times, and material rates are for one time over the designated acreage.